TEST SYSTEMS AND SENSORS FOR DETECTING MOLECULAR BINDING EVENTS

ABSTRACT OF THE DISCLOSURE

A bio-assay test system includes a test fixture, a measurement system, and a computer. The test fixture includes a bio-assay device having a signal path and a retaining structure configured to place a sample containing molecular structures in electromagnetic communication with the signal path. The measurement system is configured to transmit test signals to and to receive test signals from the signal path at one or more predefined frequencies. The computer is configured to control the transmission and reception of the test signals to and from the measurement system.

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